

QUARTERLY NEWSLETTER JULY 2017

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**VIPA International is a
Build Up Partner**



Dear VIPA International,

Dear VIPA International Member,

On this Newsletter, you will find a brief summary of the work done in the first half of 2017 to achieve all objectives and milestones set for this year. The 2017 General Assembly will take place in Paris on 19 September, before the start of IVIS 2017, and VIPA International is working to ensure a successful participation to the most important event of the VIPs industry.

With best regards,
Gregor Erbenich
President VIPA International

1. Association News

1.1. 2017 VIPA General Assembly - 19 September in Paris

The 2017 VIPA General Assembly will take place on 19 September 2017 from 16:00 to 18:00 at the International University Campus in Paris (17 Boulevard Jourdan, 75014 Paris). The General Assembly will be open to all members of VIPA International. A detailed agenda will be circulated before the meeting, and it will include the following points:

- Elections to the Board seats of Porextherm, Microtherm, Camvac and Hongda Suzhou V.I.P.
- Annual accounts of 2016, budget and membership fees of 2017
- Annual report of activities

Also the meeting of the Board of Directors of VIPA International will take place at the same location on 19 September, from 10:00 to 15:30 (for Board members only). A dinner will be organised on the same day for all members (location tbc).

We invite all members to register to the VIPA General Assembly as soon as possible so we can arrange the logistics details of the event: <http://www.etches.com/258723>.

1.2. IVIS 2017 - Paris, 20-21 September 2017

The [13th International Vacuum Insulation Symposium](#) will take place on 20-21 September 2017 in Paris (International University Campus). A meeting of the Annex65 project will also be held in Paris on 19 September. VIPA International will be present at the event with a stand at the exhibition to inform prospect members on the benefits of joining the association. VIPA International is sponsoring the event with an open contribution of EUR 10.000, and the President of VIPA International Gregor Erbenich will have a speaking slot to present the association during the opening session on 20 September.

1.3. RAL VIP Quality Mark - extension to other applications

7 members of VIPA International have joined the GSH as per the co-operation agreement signed in October 2016 (see [press release](#)). The RAL VIP Label is an important tool for those manufacturers of VIPs who want to obtain a certification of quality for their products. The label is awarded by the GSH, an approved inspection and certification body. Thanks to this agreement the members of VIPA International can become GSH members free of charge and participate at the drafting process of the quality assessment criteria governing the label. The label will be extended to all VIP applications and core materials as well as to suppliers of vacuum insulation panels.

The latest meeting of the GSH VIP Group took place on 13 July in Frankfurt. The objective of the meeting is to discuss and to vote on the revision of the GZ-960 document. The final draft will afterwards be submitted to the RAL for final approval (3 months needed). With this revision, the GSH label will be extended to water tanks, refrigerators, appliances and temperature-controlled boxes.

1.4. VIPA website now available in Chinese Mandarin

The VIPA website is now available in Chinese Mandarin. The website will be an important tool to communicate the activities of the association to Asian members, counterparts and prospect members. Users can simply switch the language in the top right corner of the website www.vipa-international.org from English to Chinese Mandarin, or they can also access directly the newly registered Chinese domain www.vipa-international.cn. Continue reading [here](#).

1.5. New technical studies finalised

Avery Dennison Hanita completed last May the study: **development of an advanced technique for measuring the effect of moisture content on the thermal conductivity of VIPs**. The purpose was to come up with an easy to operate technique for measuring the relation between the amount of moisture absorbed by fumed silica cores and the thermal conductivity of the panel.

The conclusions of the study point to very different behaviour depending on the type of fumed silica used and also very different from the previous ZAE study on the same topic. Another interesting conclusion is the impact of the two temperatures of the plates of the lambda machine. On winter time the moisture inside the panels moves to the cold of the panel and sometimes it even freezes. As a result the core material gets dry and the thermal conductivity drops down. The Technical Working Group approved the final report which is available for all the members of the association ([contact the secretariat](#)). The Working Group asked for an extension of the project in order to better understand the relation between the microscopic characteristics (porous size, surface area, core material used, etc) of the fumed silica powder and its response to the absorbed moisture. Avery Dennison Hanita is now preparing a proposal on that to be evaluated by the Technical Working Group and afterwards by the Board.

FIW and Avery Dennison Hanita completed in June the study: **calibration of the lift-off technique for measuring the internal pressure of fumed silica VIPs and determination of boundary conditions for the lift-off measurements and processing of measurement raw data**. The main conclusion is that the boundary conditions (type of foil, envelope, core material, etc) have a significant impact on the internal pressure measurement results so these need to be determined clearly. The Technical Working Group approved the final report and asked for an extension of the study to find a more accurate method to test the delta lambda values. FIW is working on a new proposal to be discussed the next months.

On the VIPA International website you will find a section with a summary of all studies financed by the association (<http://vipa-international.org/science-on-vip>). Soft copies of the final reports are available upon request to the secretariat.

1.6. VIP standardization activities

The CEN Technical Committee 88 (thermal insulating materials and products) Working Group 11 (vacuum insulation products - VIP) drafted the factory made vacuum insulated panels (VIP) for buildings specifications. The draft is now under approval process by all the national standardisation bodies. The CEN TC88 WG11 will have a meeting in October this year to review the process and agree on publication or further editing to the current draft.

On the other side of the Atlantic, the ISO VIP group had its first meeting in April in Canada. Professor Phalguni is the convener of this standardisation group.

In Asia, the Nanjing Fiberglass Institute is leading the works towards a new version of the VIP Chinese standard for both appliances and building applications. The purpose is to have a new standard in place in December 2018 but there is no schedule of meetings foreseen for the time being.

VIPA International is organising a face-to-face meeting in Paris, during IVIS 2017, with all the conveners of these three standardisation groups to understand what the status of the discussions is and to which extent the final standards could be harmonised.

2. Policy News from Europe

2.1. "Clean Energy for All Europeans" - State of play

The European Parliament's Committee on Industry, Research and Energy (ITRE) is currently discussing the new Energy Efficiency Package, including a revised Energy Efficiency Directive (EED) and Energy Performance of Buildings Directive (EPBD). The Package is part of a larger package on energy, published by the European Commission on 30 November 2016, titled "[Clean Energy for All Europeans - unlocking Europe's growth potential](#)". Commission, Council and Parliament have to agree on the same text to have it approved.

The parliamentary rapporteurs of the two Directives have published their draft reports ([EED](#) - [EPBD](#)). The vote in the ITRE Committee will take place in October, while the vote in the Plenary is foreseen in the first half of 2018. The Council adopted a compromise text on both Directives on 26 June. The following points are of interest for VIPA International:

- 2030 Energy Efficiency target: the original proposal of the Commission includes a binding 30% at EU level, with voluntary national targets. The Council is proposing to keep the 30% target, but to turn it into "indicative". The Parliament is traditionally more ambitious, and already in 2016 it asked for a 40% target with binding national targets. However, the rapporteur is now proposing only a 35% target. It is likely that other members of the Parliament will ask to bring it back to 40%.
- Energy savings obligations: the Commission and the Parliament are proposing to extend to 2030 the obligation for EU countries to set up an energy efficiency obligation scheme, which requires energy companies to achieve yearly energy savings of 1.5% of annual sales to final consumers. Renovation of buildings is among the possible measures to achieve this target. The Council is proposing to decrease this target to 1.0% for the period 2026-2030, with possible sunset of the obligation after 2030.
- Building stock in 2050: the Commission and the Parliament are proposing to fully decarbonize the building stock by 2050, while the Council is proposing to adopt the target of reducing greenhouse gas emissions by 80-95%.
- Long term renovation strategies: the Parliament is much more ambitious than the Council and the Commission on long term renovation strategies. Compared to the original proposal, the Parliament is proposing to include measures to stimulate deep renovation, target all public buildings, introduce accessible and transparent advisory tools and promote skills and education.

VIPA International published a [press release](#) on the state of play of the package.

2.2. Energy Labelling

On 13 June 2017 the European Parliament discussed and approved the [compromise text on the new Energy Labelling Regulation](#) with 535 votes in favour and 46 against. The Council will now have to adopt the text without amendments. After the approval of the Council, the current A+++ to G labels for appliances will be replaced by a simpler A to G labels. The new label for white goods (including fridges and professional refrigerators) will be used in shops by early 2020.

3. Upcoming events

24 July, Astana, Kazakhstan

EU Energy Day - Clean Energy Solutions for the Buildings of the Future

<https://expo2017astana.com/en/>

7 September, Brussels, Belgium

Cost-competitive deep renovation of shopping centres: technologies and drivers for EU policies

<https://ec.europa.eu/research/sam/index.cfm?pg=events&eventcode=92F57EDC-F33F-129E-0DA07E04786B9A1E>

12 September, Strasbourg, France

Energy Efficiency First - Insights from the chemical industry

<http://www.europeanenergyforum.eu/events/energy-efficiency-first-%E2%80%93-insights-chemical-industry>

12-13 September, Houston, Texas

Insulation Expo (IEX) Trade Show

<http://www.iexusa.com/>

13-15 September, Irvine, USA

International Conference on Energy Efficiency in Domestic Appliances and Lighting - EEDAL'17

<http://eedal2017.uci.edu/>

15 September, London, United Kingdom

International Refurbishment Symposium

<http://www.refurbishment-symposium.com/index.php/schedule/>

19-23 September, Prague, Czech Republic

For Arch - The Int'l Building Fair

<http://forarch.cz/en/>

20-21 September, Paris, France

13th International Vacuum Insulation Symposium

<http://ivisparis2017.org/>

21-24 September, Bern, Switzerland

Bauen+Wohnen Bern

<http://www.baumesse-bern.ch/htm/home.htm>

22-24 September, London, United Kingdom

Homebuilding & Renovating Show

<http://london.homebuildingshow.co.uk/>

25-26 September, Kraków, Poland
The 12th Global Insulation Conference, Exhibition and Awards
<https://www.proids-online.com/events-calendar/conferences/835-global-insulation-2017>

2-3 October, Bern, Switzerland
Advanced Building Skins Conference
<https://abs.green/home/>

23-25 October, Brussels, Belgium
Energy Info Days 2017
https://ec.europa.eu/easme/en/news/save-date-energy-info-days-2017/?pk_campaign=EE-NL-May17&pk_kwd=infoday

25-26 October, London, United Kingdom
European Smart Homes 2017
<http://www.wplgroup.com/aci/event/smart-homes-europe-summit/>

25-27 October, Warsaw, Poland
7th International Trade Fair and Conferences for Renewable Energy and Energy Efficiency
<http://www.renexpo-warsaw.com/index.php?id=7&L=1>

26-27 October, Brussels, Belgium
Cities of the Future 2017
<https://cof2017.b2match.io>

30 October - 1 November, Litchfield Park, USA
2017 ACEEE National Conference on Energy Efficiency as a Resource
<http://aceee.org/conferences/2017/eer>

30 October - 2 November, Ryad, Saudi Arabia
Asia Energy Efficiency Conference
<http://www.asiaee.sa/en/>

8-10 November, Saigon, Vietnam
Renewable Energy and Energy Efficiency Exhibition
<http://www.renergyvietnam.com/en-us/>

VIPA International Secretariat

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